## **EUROPEAN PATENT OFFICE**

## **Patent Abstracts of Japan**

**PUBLICATION NUMBER** 

2004106976

**PUBLICATION DATE** 

08-04-04

APPLICATION DATE

17-09-02

**APPLICATION NUMBER** 

2002269811

APPLICANT:

KONICA MINOLTA HOLDINGS INC;

**INVENTOR:** 

YOSHIE KOJI;

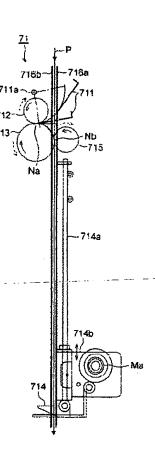
INT.CL.

B65H 45/18 B42B 4/00 B65H 45/30

G03G 15/00

TITLE

**BOOKBINDING DEVICE** 



ABSTRACT:

PROBLEM TO BE SOLVED: To provide a bookbinding device of a stable folding position provided with a center folding part precluded from being hardly dispersed by firmness of a paper sheet (recording paper sheet) in center folding, and being hardly slipped under a knife operation.

SOLUTION: This device is provided with a pair of folding roller for forming a fold for the sheet by mutual pressing force, a chopper knife for pushing the sheet in between the rollers, and a pinch roller contacting separably with the under side folding roller out of the paired folding rollers. The device is provided with the center folding part for sandwiching the sheet by the pinch roller, for operating the chopper knife under the condition where the sheet is sandwiched, and for pushing the sheet into a folding roller nip formed by the pair of folding rollers to form the fold.

COPYRIGHT: (C)2004,JPO